

Serial No.

Docket No. RD-28,759

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ralph T. Hocter et al. : Group Art Unit:
Serial No.: : Examiner:
Filed: :
For: ULTRA-WIDEBAND COMMUNICATIONS :
SYSTEM AND METHOD USING A DELAY
HOPPED, CONTINUOUS NOISE TRANSMITTED
REFERENCE

#4
2-23-02
JC979 U.S. PTO
09/974032
10/10/01

INFORMATION
DISCLOSURE STATEMENT

- ☒ 1 **PTO-1449 Pursuant to 37 CFR 1.97 (b)**
[within 3 months of filing or prior to 1st Office Action] N/C
- ☐ 2 **Statement Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance] N/C
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance] \$240.00
- ☐ 4 **Petition, Statement & Petition Fee Payment Pursuant to 37 CFR 1.97(d)**
[before issue fee payment] \$130.00

Honorable Commissioner of Patents
Washington, DC 20231
S I R:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 and 1.98:

- ☒ 5 A list of documents on form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

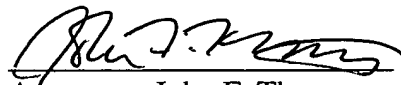
- ☒ 6 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier];
and
- ☐ 8 The required Statement made in item 11 below; or
- ☐ 9 The \$240.00 fee specified in 37 CFR §1.17(p) for submission of this information Disclosure Statement is authorized in item 14 below.

- ☐ 10 37 CFR 1.97(d): [before issue fee payment]; and
- a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR §1.17(i) is authorized in item 14 below; and
- b) The required Statement is stated in item 11 below.
- ☐ 11 Statement under 37 CFR §1.97(e)
- ☐ 12 Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ 13 No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to this knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 14 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 07-0868. An original and two (2) copies of this document are enclosed.

Respectfully submitted,

October 10, 2001

Date



Attorney – John F. Thompson
Registration No. 32,684
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General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1 – Salamone
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Customer Number: 006147

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on

Date of Deposit

Type or Print Name

Signature

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
RD-28,759

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
LIST OF ITEMSApplicant
Ralph T. Hocter et al.

Filing Date

Group

JC979 U.S. PTO
09/974032

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 4,641,317	02/03/87	Fullerton			
	AB					
	AC					
	AD					
	AE					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AF					
	AG					
	AH					
	AI					
	AJ					

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

	AK	"Impulse Radio: How It Works," Moe Z. Win, Robert A. Scholtz, IEEE Communications Letters, Vol. 2, No. 2, February 1998, pp. 36-38.
	AL	"Transmitter Location for Ultra-Wideband, Transmitted-Reference, CDMA Communication System," RT Hocter; JE Hershey; NA Van Stralen; HW Tomlinson, Jr., GE docket RD-27,855,
	AM	"Ultra-Wideband Communications System," HW Tomlinson, Jr.; JE Hershey; RT Hocter; Welles, II; Serial No. 09/753,443, filed January 3, 2001.
	AN	
	AO	
	AP	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

ORIGINAL/CIP PATENT APPLICATION TRANSMITTAL LETTER

ATTORNEY'S DOCKET NO.
RD-28,75930979 U.S. PRO
09/974032
10/10/01

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith for filing is the ☒ ORIGINAL ☐ CONTINUATION-IN-PART patent application of:
Ralph Thomas Hctor; David Michael Davenport; Aaron Mark Dentinger; Nick Andrew Van Stralen; Harold
Woodruff Tomlinson, Jr.; Kenneth Brakeley Welles, II; John Erik Hershey

Inventor(s)

For ULTRA-WIDEBAND COMMUNICATIONS SYSTEM AND METHOD USING A DELAY HOPPED,
CONTINUOUS NOISE TRANSMITTED REFERENCE

(Title of Invention)

☐ This is a Continuation-In-Part of Serial No. _____, filed _____, Attorney Docket No. _____

ENCLOSED ARE:

- ☒ Specification having 22 total pages.
- ☒ 7 sheets of ☐ formal ☒ informal drawings.
- ☐ Declaration. ☒ Unsigned Declaration.
- ☒ Information Disclosure Statement.
- ☐ Other _____
- ☐ An Assignment of the invention to General Electric Company with cover sheet.

The filing fee is calculated below:

	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$740.00
TOTAL CLAIMS	28 - 20 =	8	x \$18.00	\$144.00
INDEPENDENT CLAIMS	4 - 3 =	1	x \$84.00	\$84.00
ADDITIONAL FEE FOR USE OF MULTIPLE DEPENDENT CLAIM(S) (once per application)			x \$280.00	
TOTAL FILING FEE				\$968.00

- ☒ Please charge \$968.00 to my Deposit Account No. 07-0868.
- ☒ The Assistant Commissioner is hereby authorized to charge payment of all fees required under 37 CFR 1.16 or 1.17 or credit any overpayment to Deposit Account No. 07-0868.

October 10, 2001
date

John F. Thompson
Attorney John F. Thompson
Reg. No. 43,953

Send Correspondence to:
General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1 -Salamone
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"Express Mail" mailing label number EL 745236650 USDate of Deposit 10/10/01

Customer Number: 006147

Three copies of this form are enclosed